

Special Issue

Applications of Artificial Intelligence in Medicine Practice

Message from the Guest Editors

The development of new artificial intelligence (AI) methods based on machine learning and deep learning have a good application in the practice of medicine. Sophisticated AI algorithms can learn features from a large volume of healthcare data and can subsequently incorporate the obtained insights for assisting in clinical practice. In addition, self-correcting abilities enhance the accuracy of the algorithm on the basis of feedback. Consequently, an AI-based healthcare support system can assist physicians for administering proper patient care and can thereby help in reducing diagnostic and therapeutic errors that are inevitable in human-based clinical practice. Furthermore, such an AI-based system can derive useful information from the data of a large patient population to assist in making real-time inferences associated with health risk alerts and health outcome predictions. In this Special Issue, we solicit original articles from a wide variety of interdisciplinary perspectives concerning the theory and application of AI in medicine, medically-oriented human biology, and healthcare.

Guest Editors

Prof. Dr. Kyungtae Kang
Dr. Junggab Son
Dr. Hyo-Joong Suh

Deadline for manuscript submissions

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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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